

## C L A I M S

1.           A gasket for molding a plastic lens,  
2 characterized by comprising  
3           a cylindrical gasket main body in which a  
4 first mold with a lens molding surface that forms one  
5 lens surface of the plastic lens and a second mold with  
6 a lens molding surface that forms the other lens surface  
7 of the plastic lens are incorporated to be spaced apart  
8 from each other at a predetermined gap, and  
9           an elastic projecting band which integrally  
10 projects on an inner circumferential wall of said gasket  
11 main body throughout an entire circumference,  
12           wherein said projecting band includes a  
13 proximal end portion and a tapered distal end portion,  
14 said distal end portion forms an angle closer to that of  
15 an axial direction of said gasket main body than said  
16 proximal end portion, and said lens molding surface of  
17 one of said first mold and said second mold comes into  
18 contact with a vertex of said distal end portion.

2.           A gasket for molding a plastic lens according  
2 to claim 1, characterized in that said proximal end  
3 portion of said projecting band is perpendicular to an  
4 axis of said gasket main body.

3.           A gasket for molding a plastic lens according  
2 to claim 1, characterized in that said proximal end  
3 portion of said projecting band inclines toward said one

4 mold.

4. A gasket for molding a plastic lens according  
2 to claim 1, characterized in that said distal end  
3 portion of said projecting band is substantially  
4 parallel to an axis of said gasket main body.

5. A gasket for molding a plastic lens according  
2 to claim 1, characterized in that said distal end  
3 portion and proximal end portion of said projecting band  
4 are connected to each other in a bent manner.

6. A gasket for molding a plastic lens according  
2 to claim 1, characterized in that the nearer toward said  
3 distal end portion, the closer said projecting band  
4 becomes to the axial direction gradually.

7. A gasket for molding a plastic lens according  
2 to claim 1, characterized in that said projecting band  
3 comprises two projecting bands to correspond to said  
4 first mold and said second mold.

8. A gasket for molding a plastic lens according  
2 to claim 1, characterized in that  
3 said gasket main body further comprises a  
4 positioning projection which integrally projects on said  
5 inner circumferential surface, and

6 said positioning projection positions said one  
7 mold in said gasket main body when a peripheral portion  
8 of said one mold on a lens molding surface side comes  
9 into contact with said positioning projection.

9. A gasket for molding a plastic lens according

2 to claim 1, characterized in that said gasket main body  
3 elastically deforms in a diameter-increasing direction  
4 when said one mold is incorporated therein, and presses  
5 an outer circumferential surface of said one surface in  
6 a diameter-reducing direction with a restoring force of  
7 elastic deformation.

10. A gasket for molding a plastic lens,

2 characterized by comprising

3 a cylindrical gasket main body in which a  
4 first mold with a lens molding surface that forms one  
5 lens surface of the plastic lens and a second mold with  
6 a lens molding surface that forms the other lens surface  
7 of the plastic lens are incorporated to be spaced apart  
8 from each other at a predetermined gap,

9 wherein said gasket main body includes a  
10 portion which, when at least one of said first mold and  
11 said second mold is pressed into said gasket main body,  
12 seals a circumferential surface of said one mold, and an  
13 inner diameter of an inner circumferential surface of  
14 said portion which seals said circumferential surface of  
15 said one mold is smallest at a portion with which a  
16 circumferential edge of said one mold on a lens molding  
17 surface side comes into contact.

11. A gasket for molding a plastic lens according

2 to claim 10, characterized that the inner diameter of  
3 said portion of said inner circumferential surface of  
4 said gasket main body with which said circumferential

5 surface of said one mold comes into contact is smallest  
6 at a portion with which said circumferential edge of  
7 said one mold on said lens molding surface side comes  
8 into contact, and increases as said portion of said  
9 inner circumferential surface separates away from said  
10 circumferential edge on said lens molding surface side.

12. A gasket for molding a plastic lens according  
2 to claim 11, characterized in that said portion of said  
3 inner circumferential surface of said gasket main body  
4 with which said circumferential surface of said one mold  
5 comes into contact forms a taper surface that inclines  
6 at an angle of  $0.5^{\circ}$  to  $15^{\circ}$  with respect to an axis of  
7 said gasket main body.

13. A gasket for molding a plastic lens according  
2 to claim 10, characterized by further comprising a  
3 cylindrical portion which is formed on said portion of  
4 said inner circumferential surface of said gasket main  
5 body with which said circumferential surface of said one  
6 mold comes into contact, includes an inner diameter  
7 smaller than an outer diameter of said one mold, and  
8 with which a circumferential edge portion of said  
9 circumferential surface of said one mold on said lens  
10 molding surface side comes into contact, and a relief  
11 portion which is formed on a circumferential edge  
12 portion side of said cylindrical portion opposite to a  
13 circumferential edge on said lens molding surface side  
14 and larger, outward in a radial direction, than the

15 inner diameter of said cylindrical portion.

14. A gasket for molding a plastic lens according  
2 to claim 13, characterized in that a height of said  
3 cylindrical portion is not more than  $1/2$  an edge  
4 thickness of said one mold.

15. A gasket for molding a plastic lens according  
2 to claim 10, characterized in that a removal preventive  
3 portion which locks with an edge portion of a surface  
4 opposite to a lens molding surface of said one mold  
5 integrally projects on an inner circumferential surface  
6 of said gasket main body.